

FIG. I-A

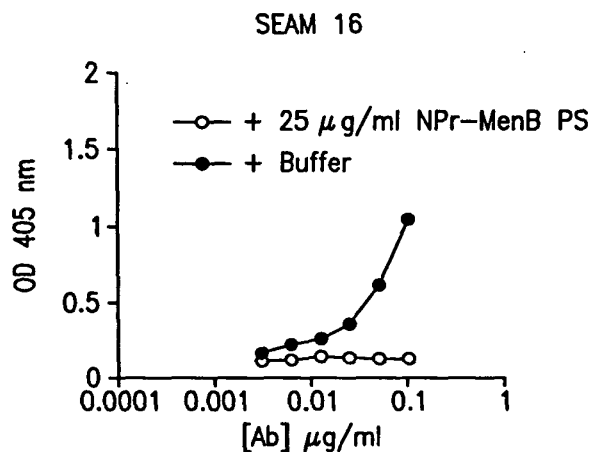


FIG. I-C

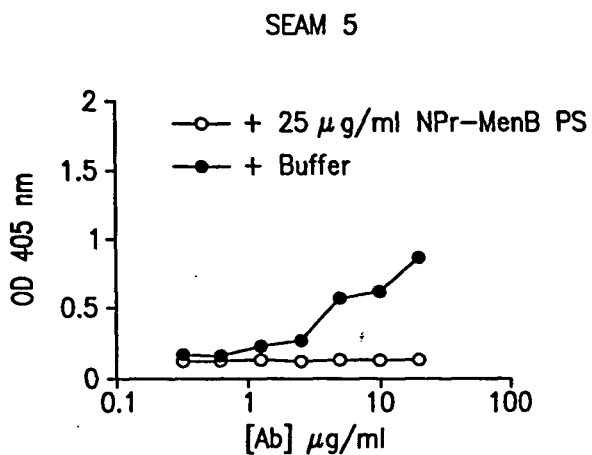


FIG. I-B

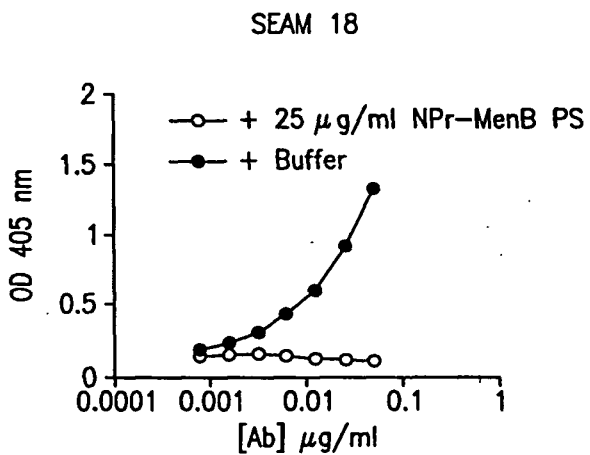
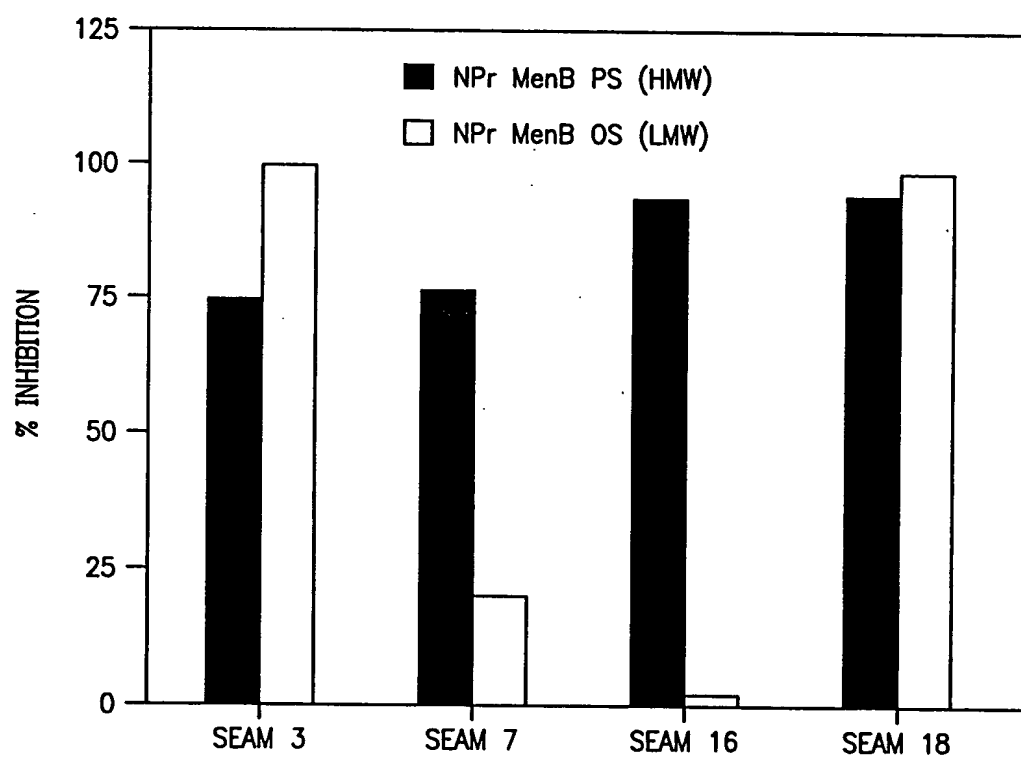


FIG. I-D



**FIG. 2**

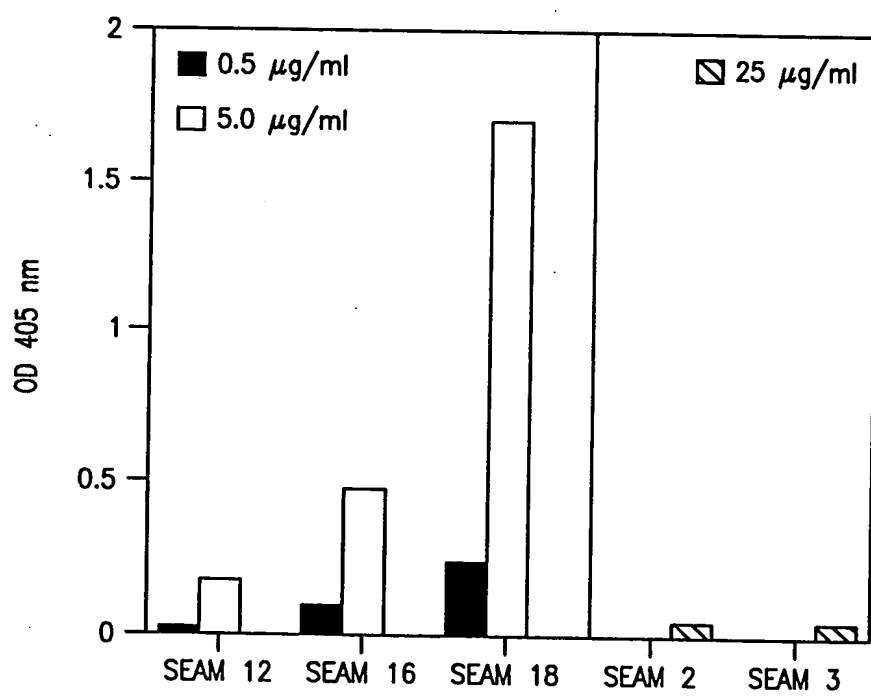


FIG. 3

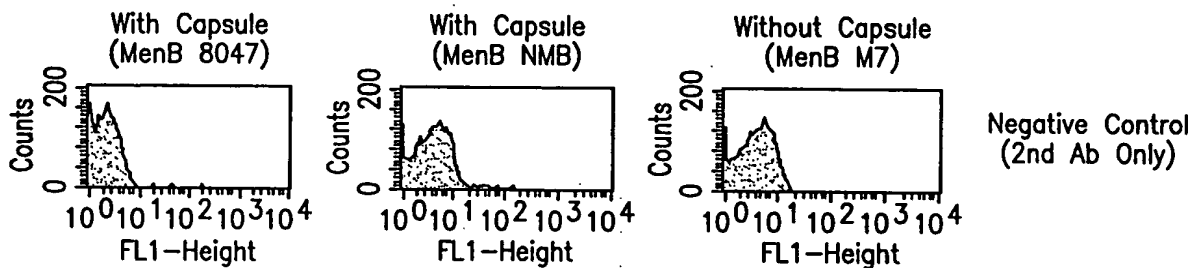


FIG. 4-A

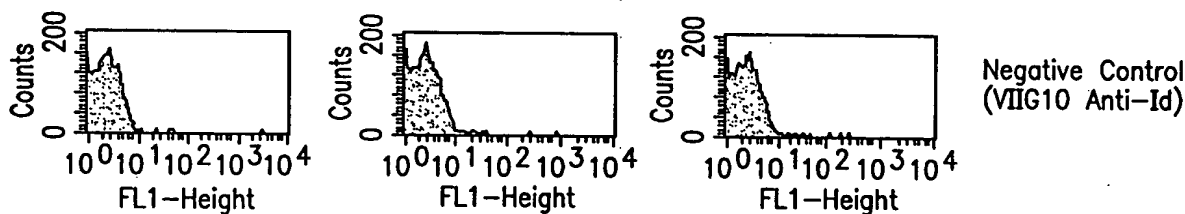


FIG. 4-B

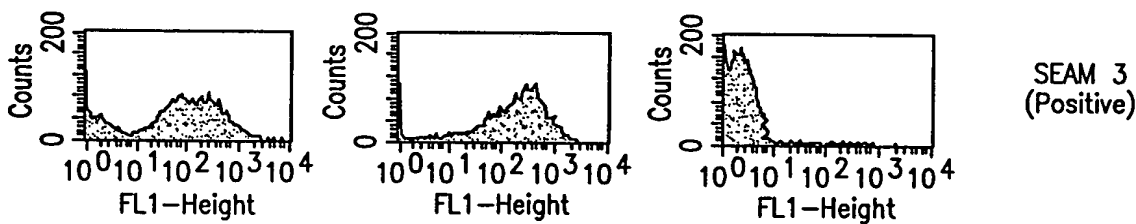


FIG. 4-C

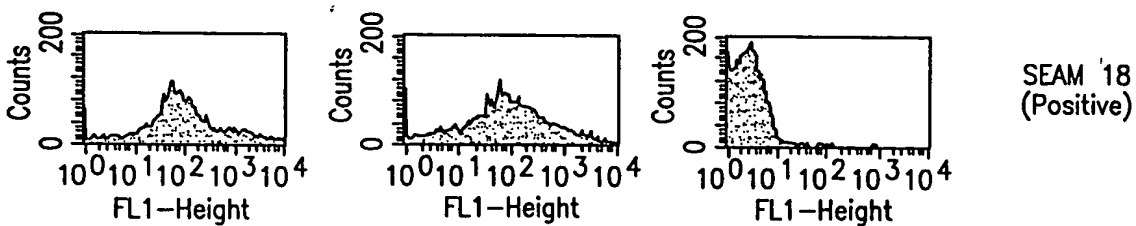
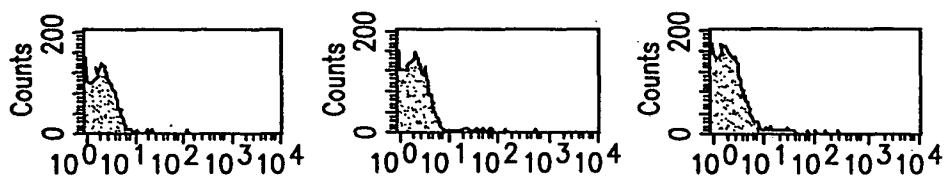
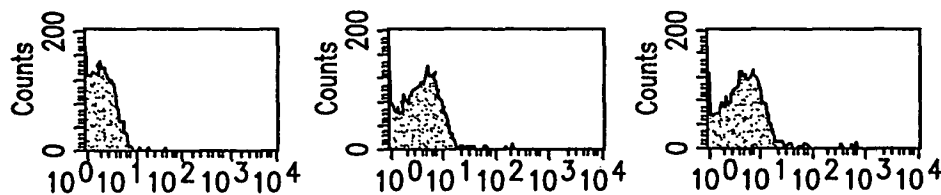


FIG. 4-D



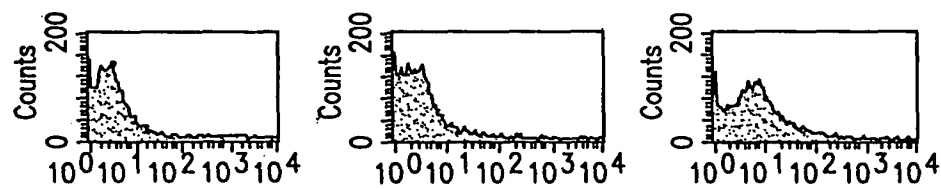
SEAM 9  
(Negative)

FIG. 4-E



SEAM 10  
(Negative)

FIG. 4-F



SEAM 7  
(Indeterminate)

FIG. 4-G

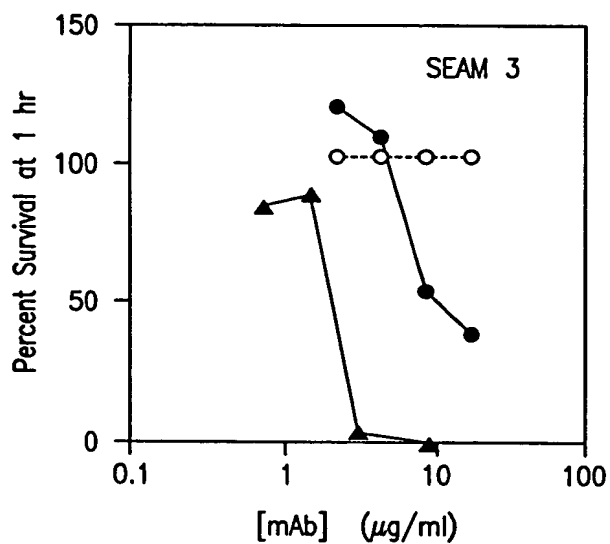


FIG. 5-A

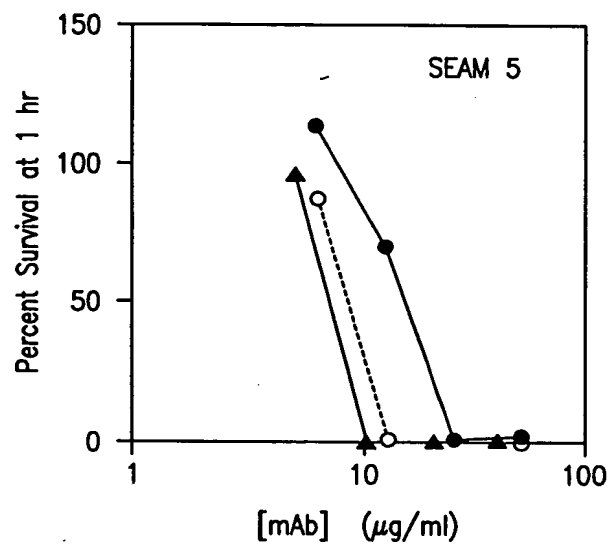


FIG. 5-B

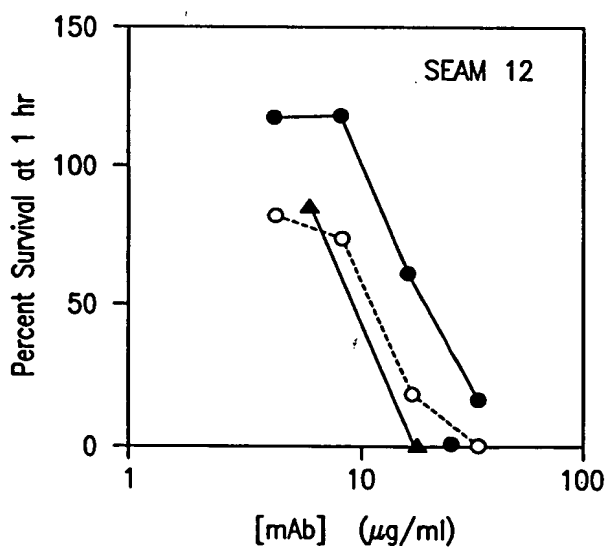


FIG. 5-C

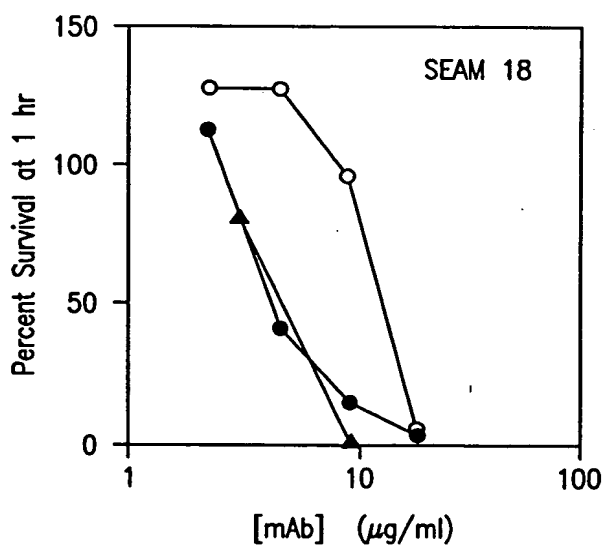
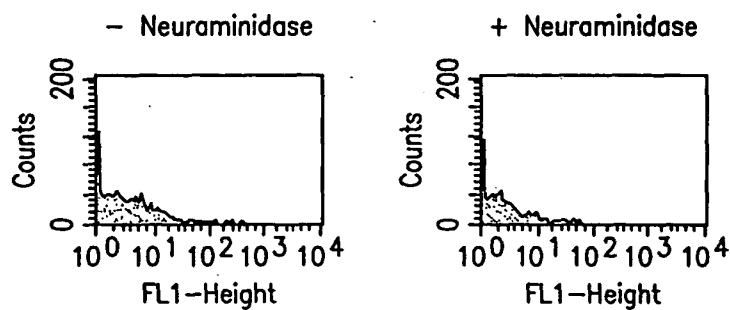
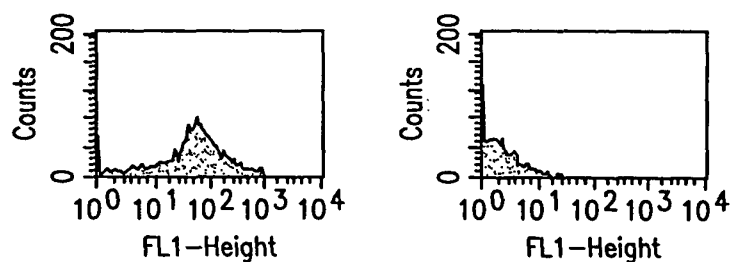


FIG. 5-D



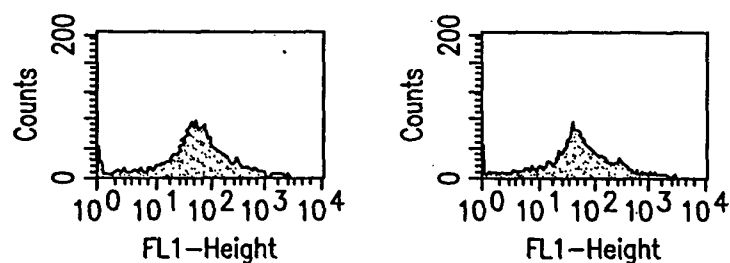
VIIIG10 Anti-Id  
(Negative Control)  
(100 $\mu$ g/ml)

FIG. 6-A



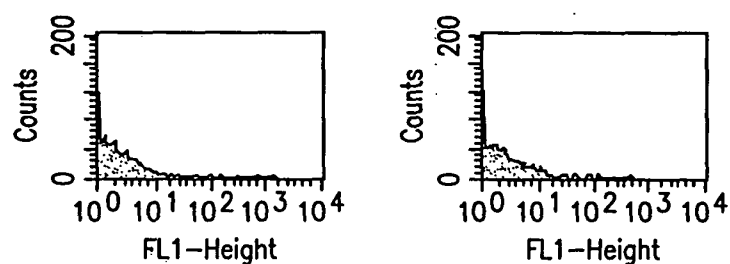
Anti-MenB PS  
(Positive Control)  
(5 $\mu$ g/ml)

FIG. 6-B



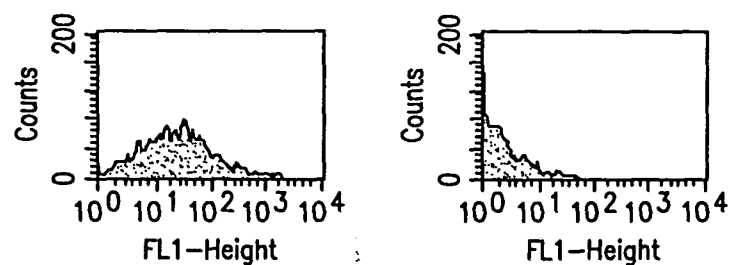
Anti-CD 56  
(Neuraminidase Control)  
(1.5 $\mu$ g/ml)

FIG. 6-C



SEAM 5  
(100 $\mu$ g/ml)

FIG. 6-D



SEAM 35  
(10 $\mu$ g/ml)

FIG. 6-E

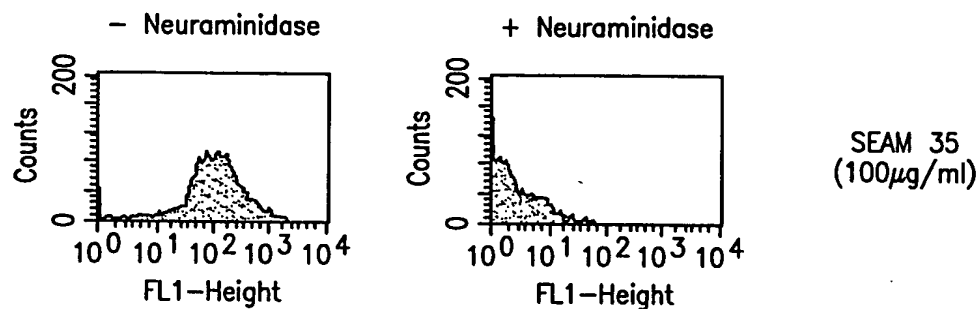


FIG. 6-F

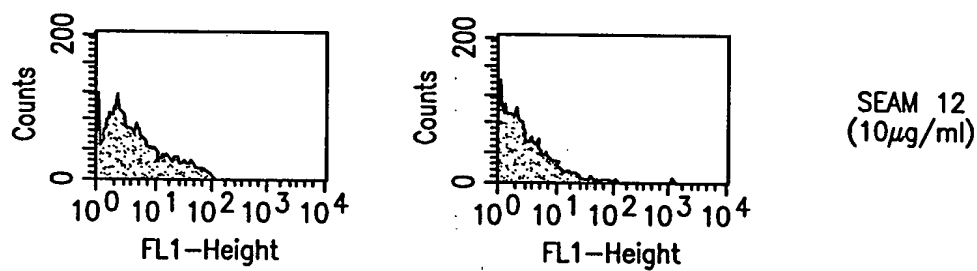


FIG. 6-G

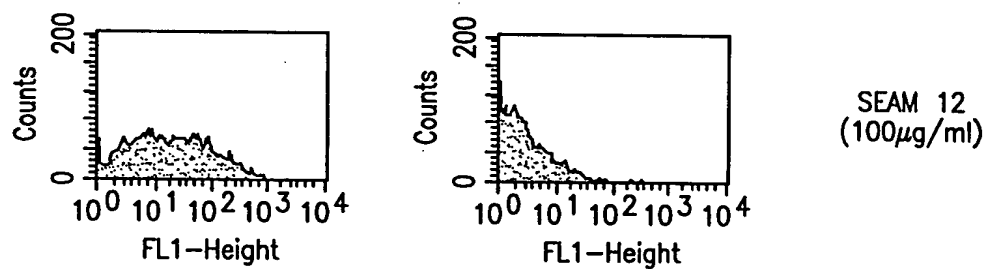


FIG. 6-H

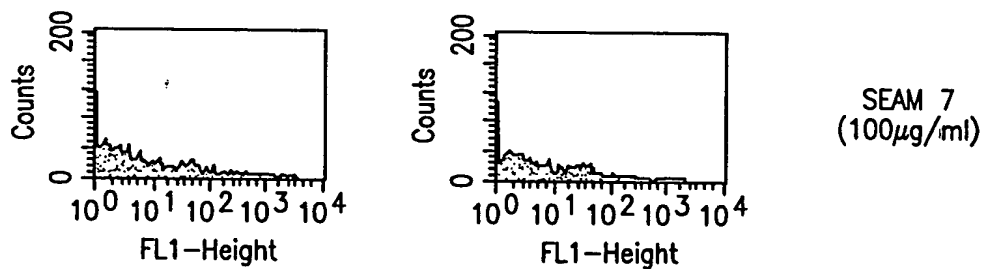


FIG. 6-I



Pep 1	PRO-LEU-ARG-SER-LEU-ARG-SER-TYR-TRP	(SEQ ID NO. 1)
Pep 2	SER-ASN-CYS-GLU-ILE-TRP-ARG-VAL-GLY-CYS	(SEQ ID NO. 2)
Pep 3	CYS-MET-ARG-TYR-GLU-ALA-THR-CYS	(SEQ ID NO. 3)
Pep 4	CYS-GLY-LEU-PRO-ARG-PHE-ARG-CYS	(SEQ ID NO. 4)
Pep 5	TYR-CYS-GLN-ILE-GLN-GLY-SER-CYS	(SEQ ID NO. 5)
Pep 6	GLN-VAL-PRO-CYS-SER-SER-ARG-ARG-GLY-CYS	(SEQ ID NO. 6)
Pep 7	ARG-TYR-GLY-CYS-LEU-LEU-MET-ARG-GLY-CYS	(SEQ ID NO. 7)
Pep 8	PHE-HIS-CYS-LYS-VAL-ASN-ARG-GLY-CYS	(SEQ ID NO. 8)
Pep 9	SER-CYS-ARG-SER-LYS-ASN-SER-ALA-GLY-CYS	(SEQ ID NO. 9)
Pep 10	THR-VAL-GLU-THR-VAL-GLU-SER-CYS	(SEQ ID NO. 10)
Pep 11	TYR-GLN-GLY-PRO-LEU-GLY-TRP-ARG	(SEQ ID NO. 11)
Pep 12	CYS-TRP-PRO-THR-LEU-GLU-GLY-CYS	(SEQ ID NO. 12)
Pep 13	CYS-LEU-THR-SER-TRP-SER-SER-CYS	(SEQ ID NO. 13)
Pep 14	CYS-GLY-LEU-GLU-LEU-GLN-GLY-CYS	(SEQ ID NO. 14)
Pep 15	CYS-THR-THR-ILE-MET-CYS-SER-THR	(SEQ ID NO. 15)
Pep 16	GLY-TYR-GLU-VAL-GLN-PRO-PHE-HIS	(SEQ ID NO. 16)
Pep 17	VAL-ALA-LYS-THR-VAL-ARG-PRO-PRO	(SEQ ID NO. 17)
Pep 18	TRP-ALA-SER-TRP-VAL-GLY-GLY-PRO	(SEQ ID NO. 18)
Pep 19	ASP-ASP-GLY-TYR-GLU-ILE-ARG-TRP	(SEQ ID NO. 19)
Pep 20	SER-ARG-MET-GLY-GLY-ARG-ARG	(SEQ ID NO. 20)
Pep 21	HIS-ASN-LYS-SER-LYS-LEU-GLU-ALA	(SEQ ID NO. 21)
Pep 22	GLY-HIS-GLY-ALA-TYR-THR-ARG-LEU	(SEQ ID NO. 22)
Pep 23	LYS-SER-LEU-ASN-ALA-MET-VAL-LEU	(SEQ ID NO. 23)
Pep 24	PRO-TRP-SER-ARG-LEU-LYS-SER-PRO	(SEQ ID NO. 24)
Pep 25	PRO-SER-LYS-GLY-LYS-VAL-LEU-SER	(SEQ ID NO. 25)
Pep 26	GLY-PRO-MET-SER-ILE-ASP-LEU-ARG	(SEQ ID NO. 26)
Pep 27	ARG-THR-GLU-LEU-GLY-TRP-ARG-TYR	(SEQ ID NO. 27)
Pep 28	SER-ASP-SER-GLY-CYS-TYR-GLY-TYR	(SEQ ID NO. 28)
Pep 29	CYS-GLY-THR-GLN-HIS-VAL-GLY-CYS	(SEQ ID NO. 29)
Pep 30	CYS-GLY-THR-HIS-ASP-LEU-ALA-CYS	(SEQ ID NO. 30)
Pep 31	CYS-GLN-LYS-GLY-ALA-ARG-GLY-CYS	(SEQ ID NO. 31)
Pep 32	CYS-SER-ARG-TYR-ASN-GLY-GLY-CYS	(SEQ ID NO. 32)
Pep 33	CYS-GLY-ARG-SER-THR-GLU-LEU-CYS	(SEQ ID NO. 33)
Pep 34	CYS-ARG-ASN-SER-GLN-GLY-TYR-CYS	(SEQ ID NO. 34)
Pep 35	LEU-ASP-SER-GLN-LEU-ARG-ARG-THR	(SEQ ID NO. 35)
Pep 36	GLY-TRP-LEU-PHE-ARG-GLY-LEU-MET	(SEQ ID NO. 36)
Pep 37	LEU-ASN-PHE-LYS-VAL-ARG-HIS-ASN	(SEQ ID NO. 37)
Pep 38	ALA-LYS-SER-VAL-HIS-TYR-GLY-ILE	(SEQ ID NO. 38)
Pep 39	CYS-VAL-ALA-LEU-MET-GLY-GLY-CYS	(SEQ ID NO. 39)
Pep 40	CYS-GLN-LYS-GLY-ALA-ARG-ALA-ARG-GLY-CYS	(SEQ ID NO. 40)
Pep 41	PHE-ALA-ALA-ALA-LEU-GLY-GLN-ASN	(SEQ ID NO. 41)
Pep 42	TYR-SER-HIS-TRP-LYS-TRP-ARG-TRP	(SEQ ID NO. 42)
Pep 43	GLN-MET-ARG-PRO-ALA-LEU-ASN-SER	(SEQ ID NO. 43)

FIG. 7-A

Pep 44	TRP-LEU-ASP-ARG-GLY-SER-THR-PRO	(SEQ ID NO. 44)
Pep 45	ASP-TRP-ASP-ARG-ALA-VAL-VAL-LEU	(SEQ ID NO. 45)
Pep 46	PHE-PRO-LEU-LEU-ARG-GLY-ALA-ARG	(SEQ ID NO. 46)
Pep 47	PHE-ALA-TRP-SER-CYS-THR-TRP-PRO-GLY-CYS	(SEQ ID NO. 47)
Pep 48	LYS-LEU-HIS-VAL-GLY-PRO-ARG-ASN	(SEQ ID NO. 48)
Pep 49	LEU-PHE-PRO-LYS-PRO-ARG-LEU-PRO	(SEQ ID NO. 49)
Pep 50	TYR-LEU-GLY-THR-SER-ARG-ASN-GLY-LEU	(SEQ ID NO. 50)
Pep 51	CYS-GLY-THR-HIS-ASP-LEU-ALA-CYS	(SEQ ID NO. 51)
Pep 52	CYS-GLY-SER-ALA-PHE-SER-ALA-HIS-PRO	(SEQ ID NO. 52)
Pep 53	SER-TRP-TRP-HIS-ASN-TYR-CYS-PRO-GLY-CYS	(SEQ ID NO. 53)
Pep 54	GLU-ARG-CYS-ALA-CYS-GLY-ARG-GLY-GLY-CYS	(SEQ ID NO. 54)
Pep 55	GLU-THR-LYS-GLU-ARG-GLY-GLU-SER-GLY-CYS	(SEQ ID NO. 55)
Pep 56	ALA-PHE-CYS-CYS-GLY-SER-GLY-THR-ARG-GLY-CYS	(SEQ ID NO. 56)
Pep 57	ALA-PHE-CYS-GLY-SER-GLY-THR-ARG-GLY-CYS	(SEQ ID NO. 57)
Pep 58	ASN-LEU-SER-SER-PRO-CYS-GLY-ARG-GLY-CYS	(SEQ ID NO. 58)
Pep 59	VAL-ALA-CYS-ARG-SER-GLY-MET-GLY-GLY-CYS	(SEQ ID NO. 59)
Pep 60	ILE-ARG-SER-GLY-CYS-ARG-PRO-VAL-GLY-CYS	(SEQ ID NO. 60)
Pep 61	CYS-TRP-LYS-PRO-GLY-ARG-SER-GLY-CYS	(SEQ ID NO. 61)
Pep 62	PHE-VAL-ARG-GLY-VAL-GLY-VAL-GLY-CYS	(SEQ ID NO. 62)
Pep 63	GLY-CYS-TRP-ARG-TRP-ILE-GLN-PRO-GLY-CYS	(SEQ ID NO. 63)
Pep 64	PHE-ALA-TRP-SER-CYS-THR-TRP-PRO-GLY-CYS	(SEQ ID NO. 64)
Pep 65	ARG-CYS-ARG-GLY-HIS-GLY-GLY-PRO-GLY-CYS	(SEQ ID NO. 65)
Pep 66	PHE-ALA-TRP-SER-CYS-THR-TRP-PRO-GLY-CYS	(SEQ ID NO. 66)
Pep 67	CYS-ASN-LEU-ARG-MET-SER-SER-ALA-GLY-CYS	(SEQ ID NO. 67)

FIG. 7-B

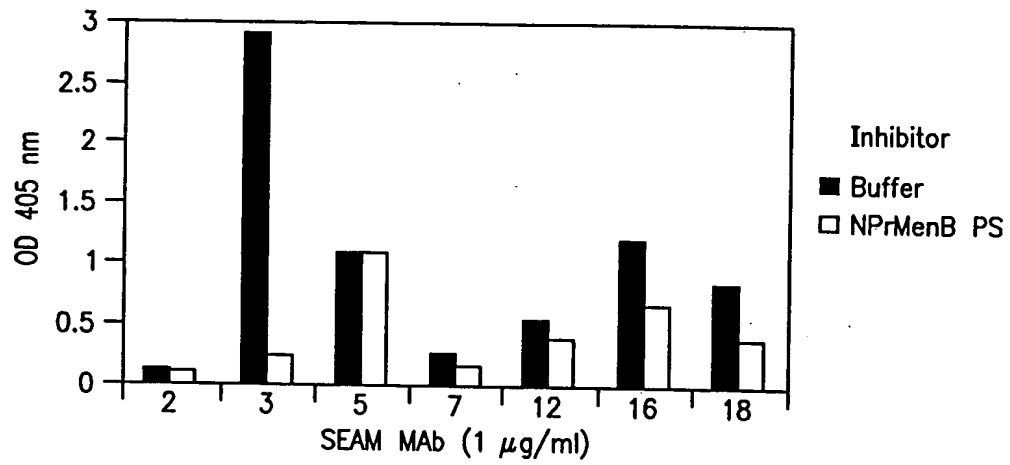


FIG. 8-A

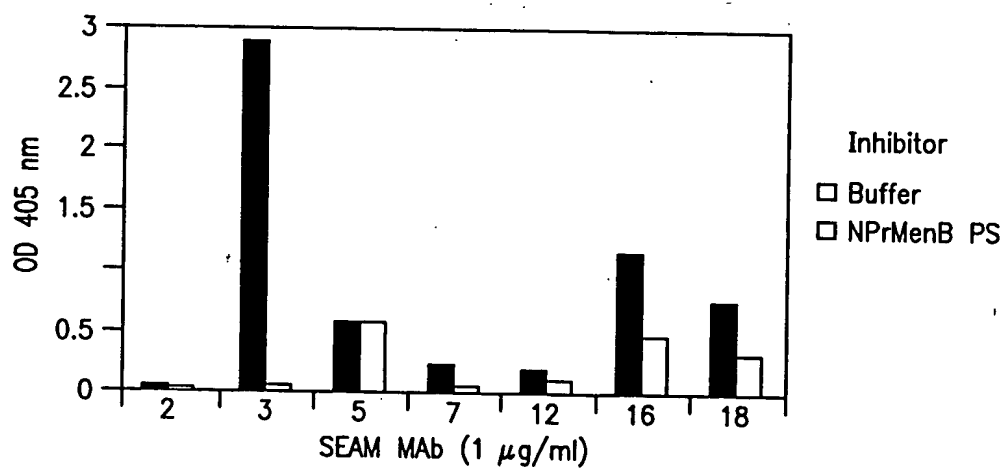


FIG. 8-B

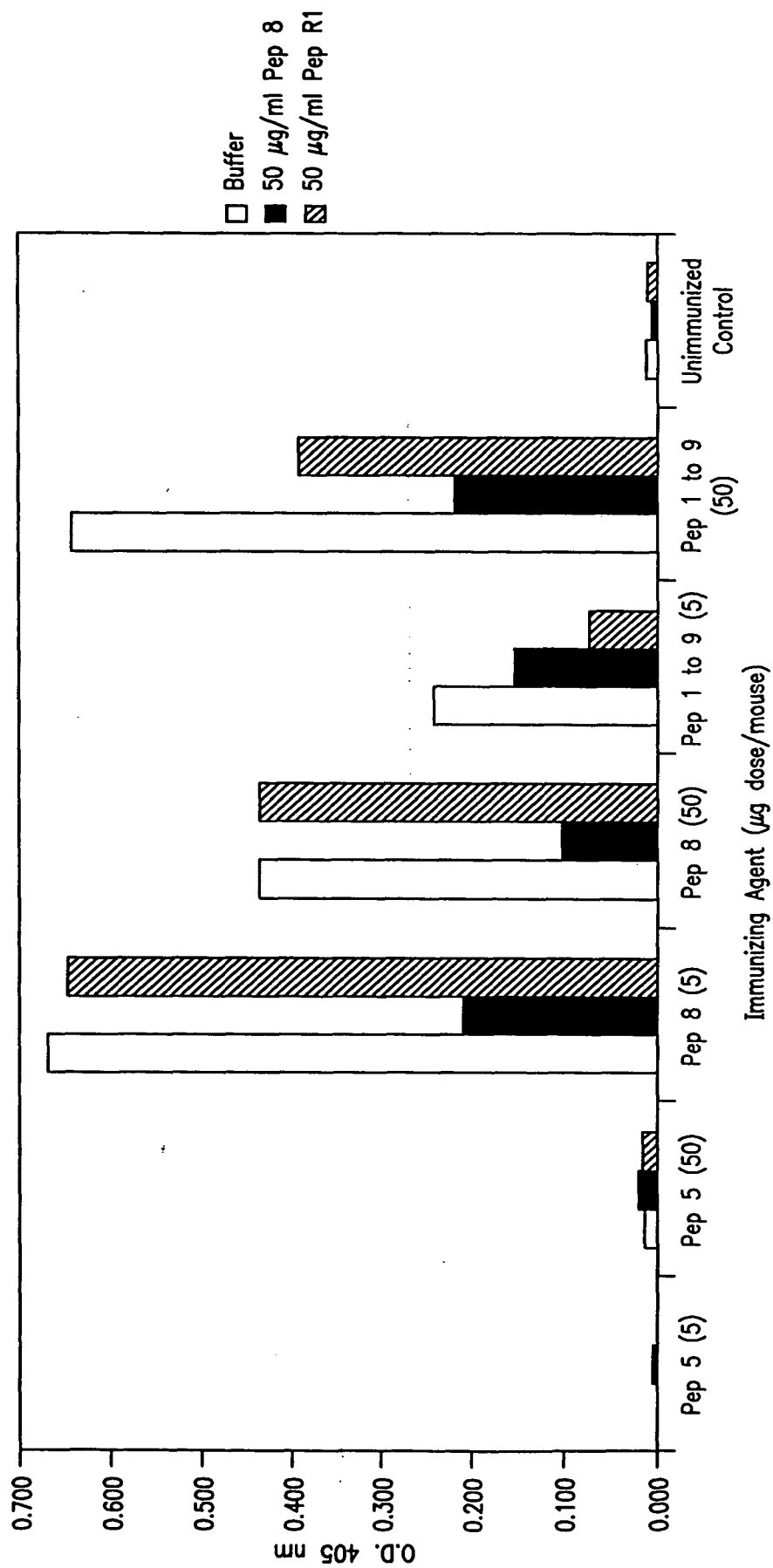
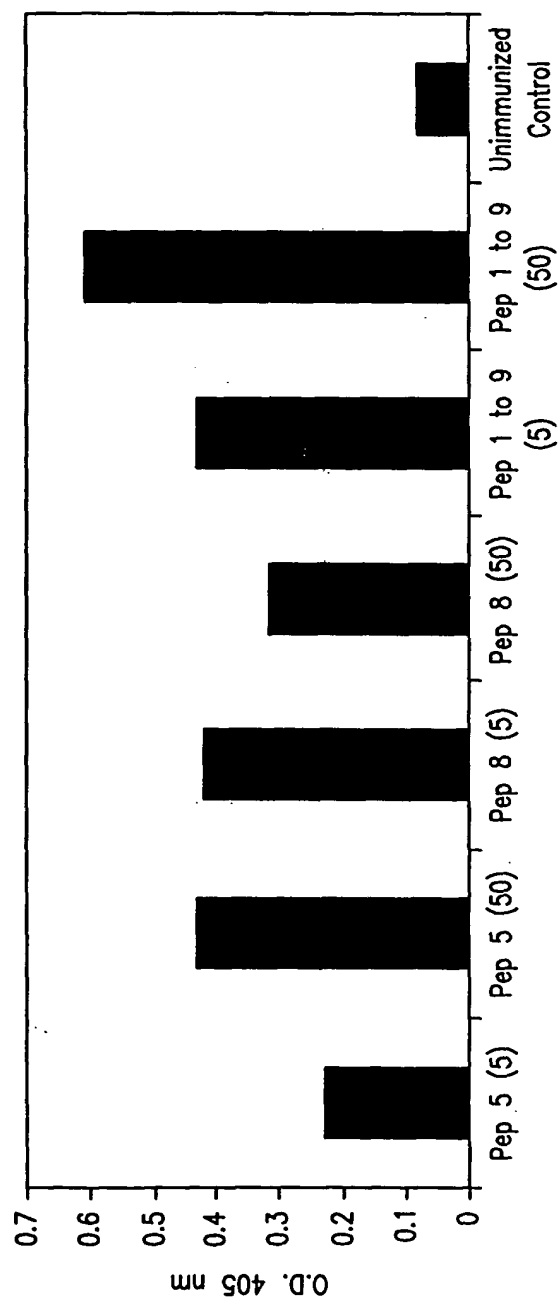
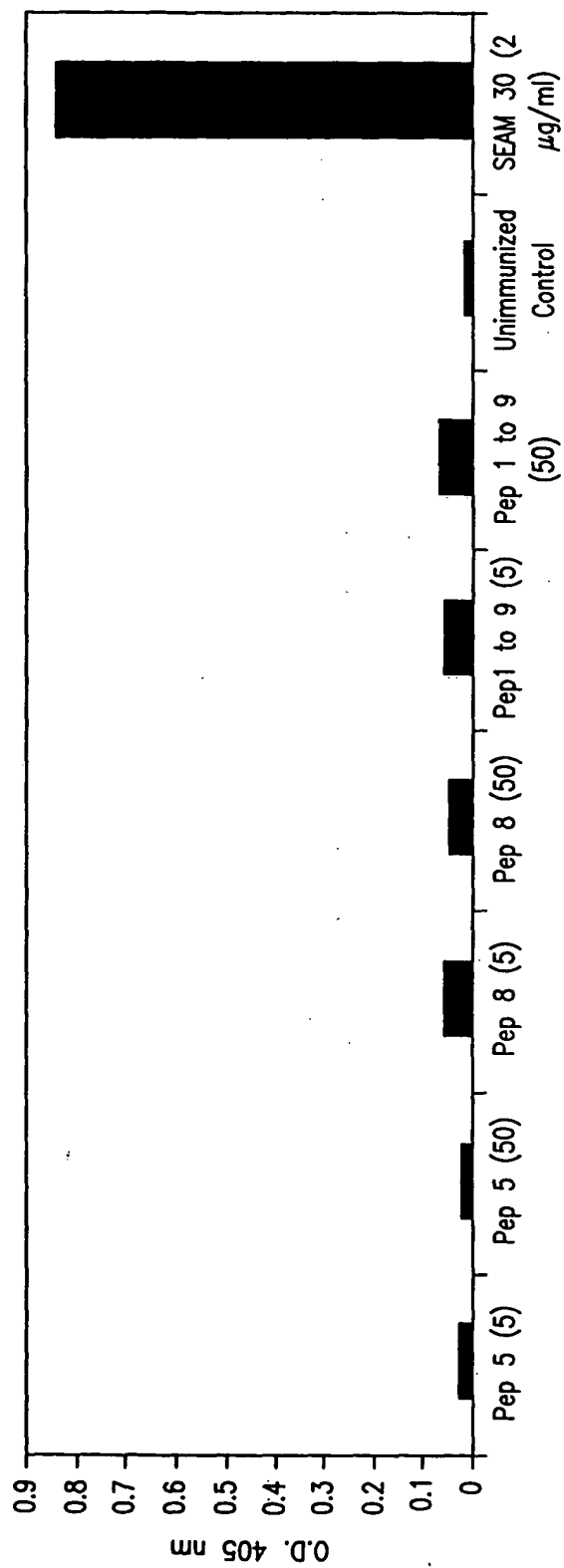


FIG. 9



Immunizing Agent ( $\mu\text{g}$  dose/mouse)

FIG. 10



Immunizing Agent ( $\mu\text{g}$  dose/mouse)

FIG. 11

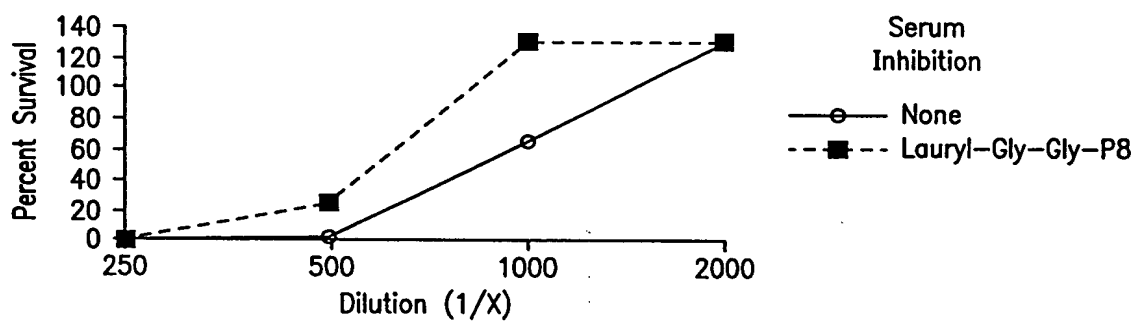


FIG. 12-A

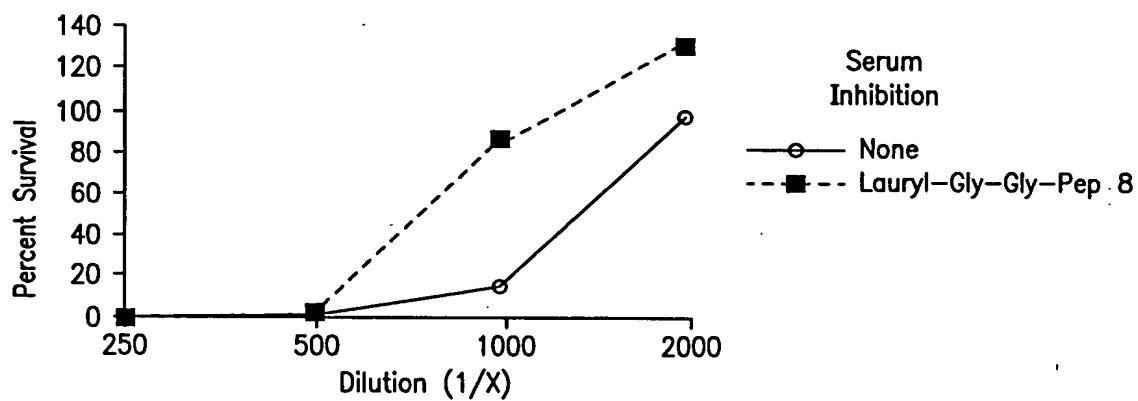


FIG. 12-B